

DISTRICT I

1625 N. French Dr., Hobbs, NM 88240

Phone (505) 393-6161 Fax: (505) 393-0720

DISTRICT II

811 S. First St., Artesia, NM 88210

Phone (505) 748-1283 Fax: (505) 748-9720

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

Phone (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

Phone (505) 476-3480 Fax: (505) 476-3482

State of New Mexico
Energy, Minerals and Natural Resources DepartmentForm C-102
Revised August 1, 2011Submit one copy to appropriate
District Office

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025 - 41831	Pool Code 53805	Pool Name SAND DUNES; BS, SOUTH
Property Code 313195	Property Name JAMES 29 FEDERAL	Well Number 35H
OGRID No. 215099	Operator Name CIMAREX ENERGY CO.	Elevation 3652

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	29	23 S	32 E		330	NORTH	330	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
NW	29	23 S	32 E		330	SOUTH	440	WEST	LEA
Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.	b.i. 5-1-14 c.m.c. 13819					

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

3600.0' 3600.0' N: 467179.8 E: 735457.4 NAD83 330' 330' 3686.5' 3691.1'	N: 467201.9 E: 738092.1 NAD83 <u>SURFACE LOCATION</u> Lat - N 32°16'54.72" Long - W 103°42'14.90" NMSPCE- N 466852.6 E 735789.3 (NAD-83)	N: 467228.3 E: 740727.6 NAD83	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <i>Terri Stathem</i> Date: 12-9-13 Printed Name: Terri Stathem Email Address: tstathem@cimarex.com
440' N: 461896.6 E: 735489.8 NAD83	<u>PROPOSED BOTTOM HOLE LOCATION</u> Lat - N 32°16'08.97" Long - W 103°42'13.61" NMSPCE- N 462230.4 E 735927.7 (NAD-83)	N: 461943.0 E: 740762.3 NAD83	SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date Surveyed: SEPTEMBER 12, 2013 Signature: <i>[Surveyor Signature]</i> Professional Surveyor Certificate No. Gary Jones 7977 SCALE: 1" = 1000' WO Num.: 29274

MAY 08 2014

PM

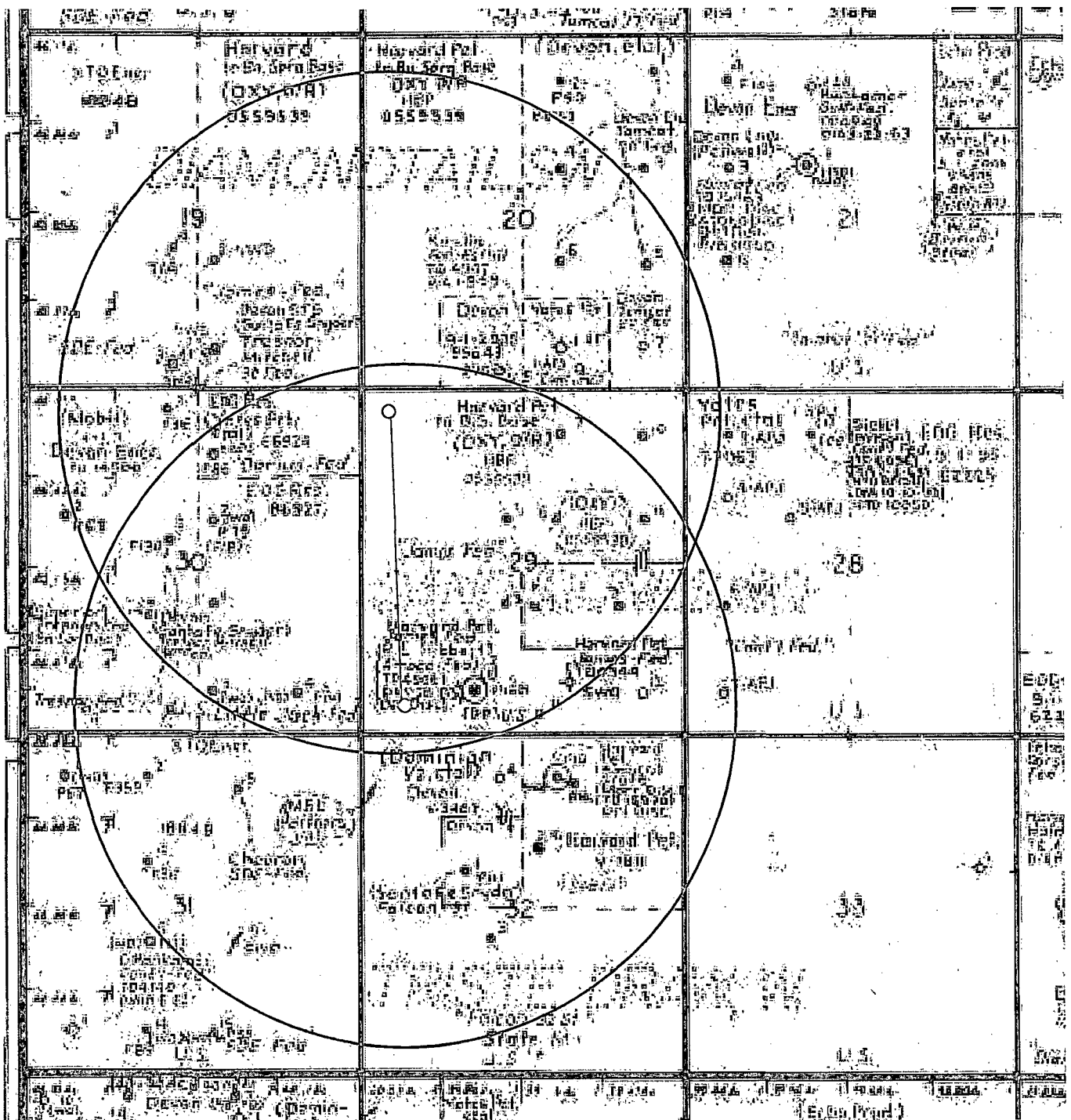


Exhibit A- One Mile Radius Map

James 29 Federal 35

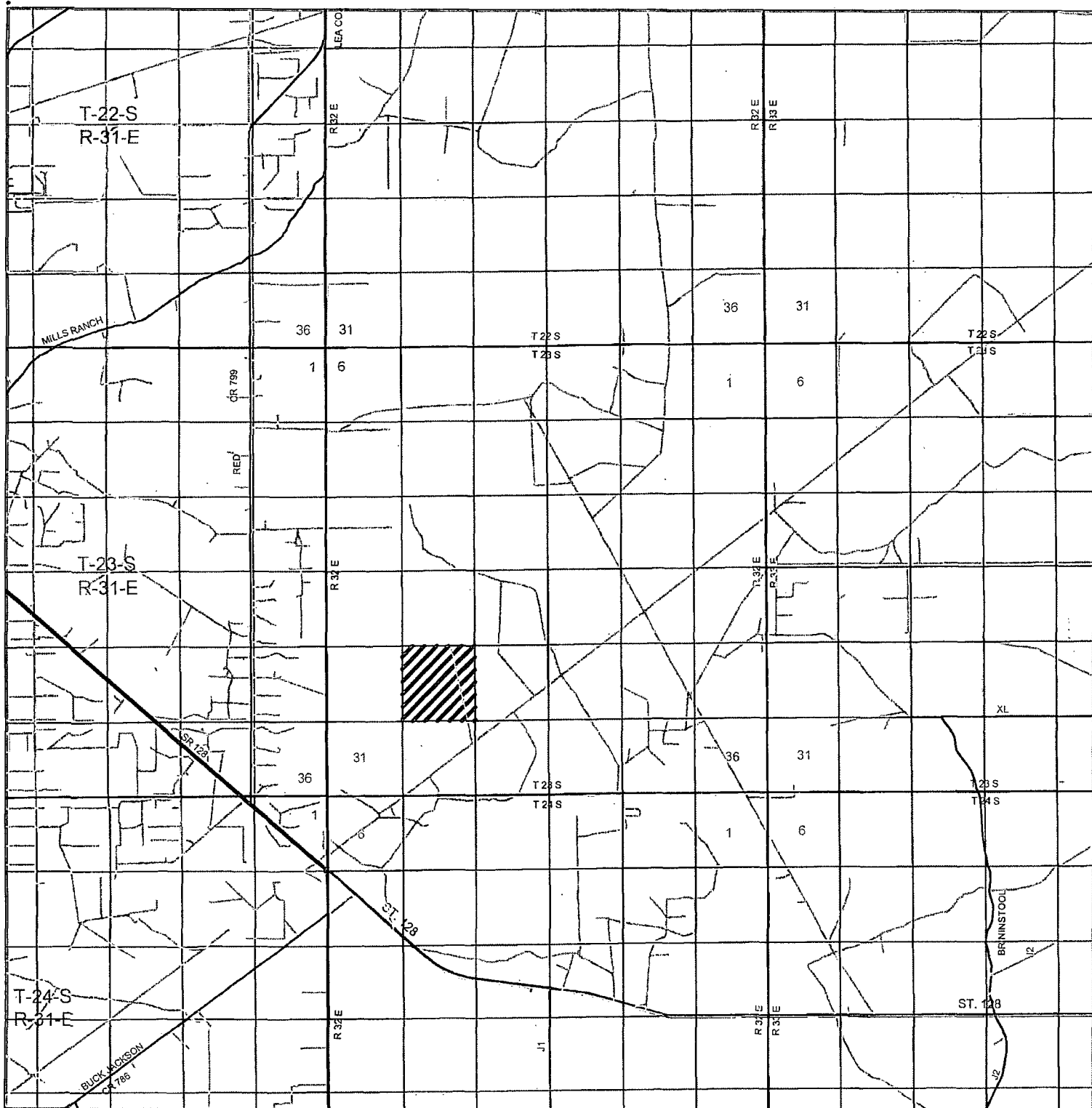
Cimarex Energy Co.

29-23S-32E

SHL 330 FNL & 330 FWL

BHL 330 FSL & 440 FWL

Lea County, NM



JAMES 29 FEDERAL #35
LOCATED 330' FNL and 330' FWL
Section 29, Township 23 South, Range 32 East,
N.M.P.M., Lea County, New Mexico.

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0 1 MI 2 MI 3 MI 4 MI
 SCALE: 1" = 2 MILES

W.O. Number: KAN 29274

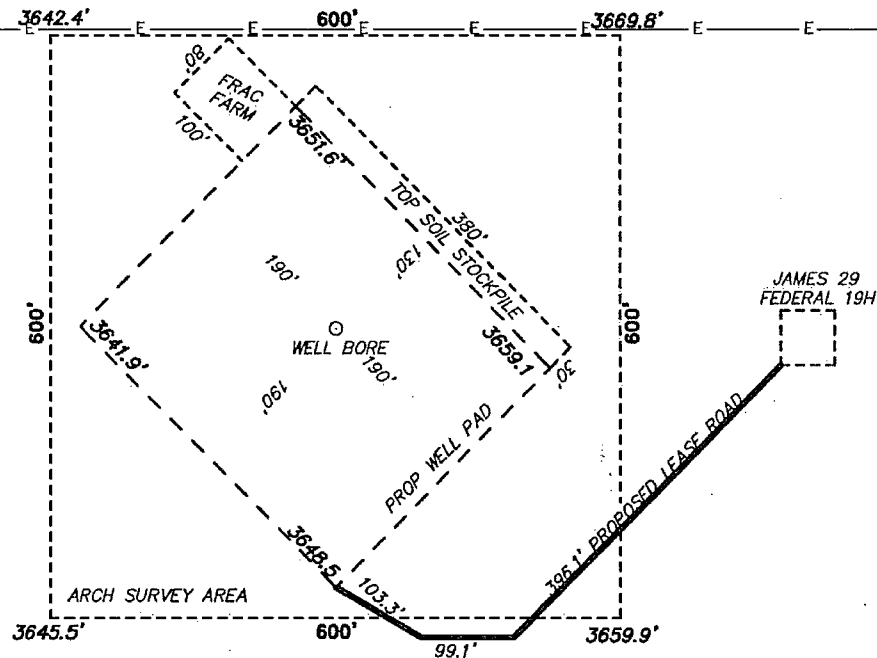
Survey Date: 09-04-2013

YELLOW TINT - USA LAND
 BLUE TINT - STATE LAND
 NATURAL COLOR - FEE LAND

CIMAREX
ENERGY CO.

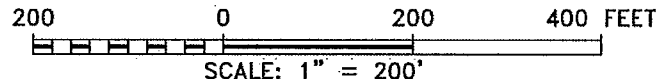
Exhibit B

SECTION 29, TOWNSHIP 23 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



CIMAREX ENERGY CO.
JAMES 29 FEDERAL #35
ELEV. - 3652'
Lat - N 32°16'54.72"
Long - W 103°42'14.90"
NMSPCE- N 466852.6
E 735789.3
(NAD-83)

EUNICE, NM IS ±23 MILES TO THE SOUTHEAST OF LOCATION.



Directions to Location:

FROM THE JUNCTION OF HWY 176 AND SKEEN, GO NORTH ON SKEEN FOR 0.1 MILES TO LEASE ROAD (ORION), GO EAST ON LEASE ROAD FOR 0.5 MILES TO PROPOSED LOCATION.

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CIMAREX ENERGY CO.	
REF: JAMES 29 FEDERAL #35 / WELL PAD TOPO	
THE JAMES 29 FEDERAL #35 LOCATED 330' FROM THE NORTH LINE AND 330' FROM THE WEST LINE OF SECTION 29, TOWNSHIP 23 SOUTH, RANGE 32 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO.	

W.O. Number: 29274 | Drawn By: K. NORRIS | Date: 09-12-2013 | Survey Date: 09-04-2013 | Sheet 1 of 1 Sheets

Exhibit C-1

[illegible]

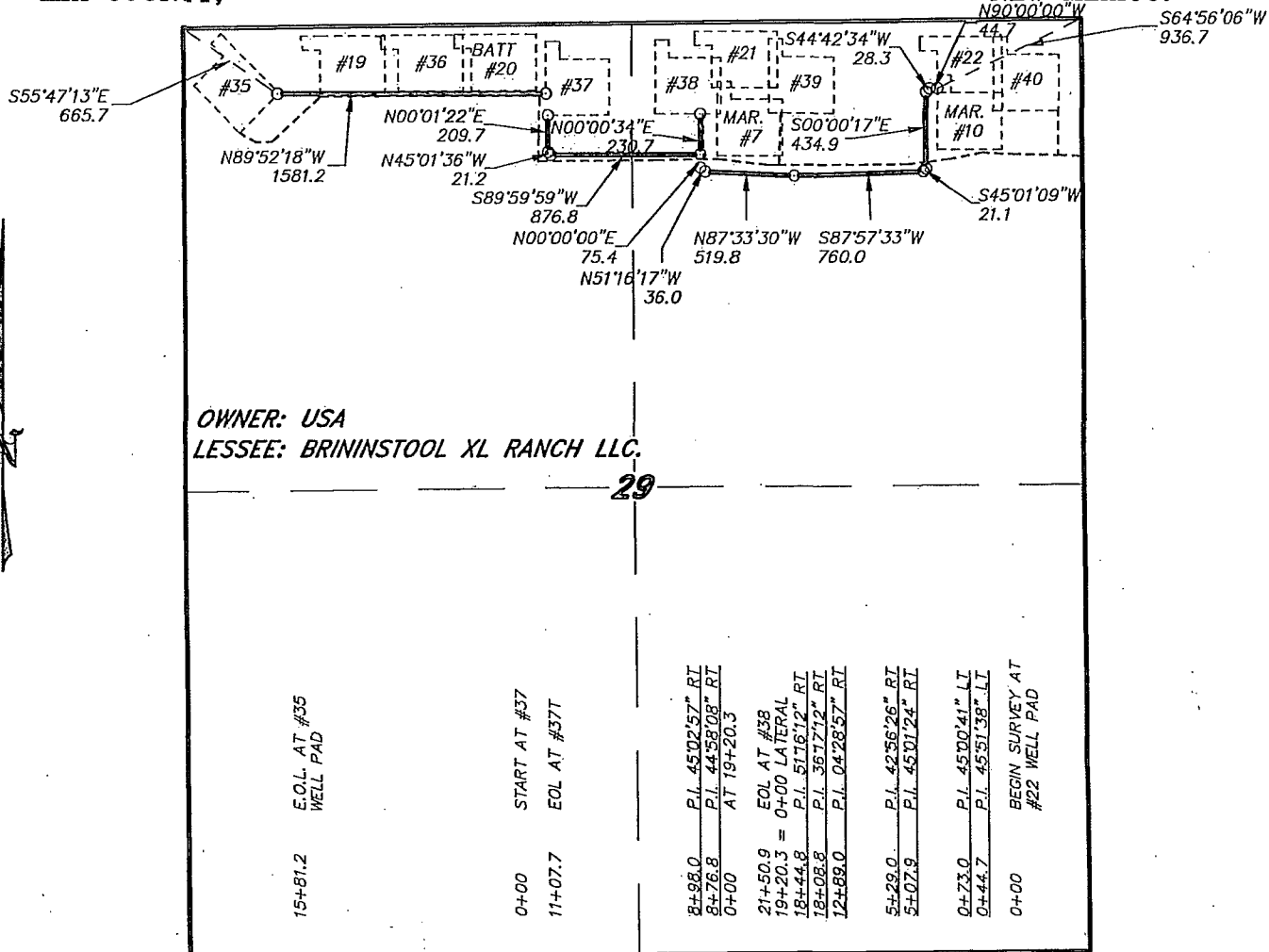
P.O. Box 1786 (575) 393-7316 -- Office
1120 N. West County Rd. (575) 392-2206 -- Fax
Hobbs, New Mexico 88241 basinsurveys.com

THE JAMES 29 FEDERAL #35 LOCATED 330' FROM
THE NORTH LINE AND 330' FROM THE WEST LINE OF
SECTION 29, TOWNSHIP 23 SOUTH, RANGE 32 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.

W.O. Number: 29274	Drawn By: K. NORRIS	Date: 09-12-2013	Survey Date: 09-04-2013	Sheet 1 of 1 Sheets
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Exhibit C-1

SECTION 29, TOWNSHIP 23 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



LEGAL DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE, LOCATED IN SECTION 29, TOWNSHIP 23 SOUTH, RANGE 32 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND RIGHT OF THE ABOVE PLATTED CENTERLINE SURVEY.

SECTION 29 = 4839.8 FEET = 293.32 RODS = 0.92 MILES = 3.33 ACRES, MORE OR LESS.

I HEREBY CERTIFY THAT THIS SURVEY WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY AND MEETS OR EXCEEDS ALL REQUIREMENTS FOR LAND SURVEYS AS SPECIFIED BY THIS STATE.

GARY L. JONES

No. 7977
No. 5074

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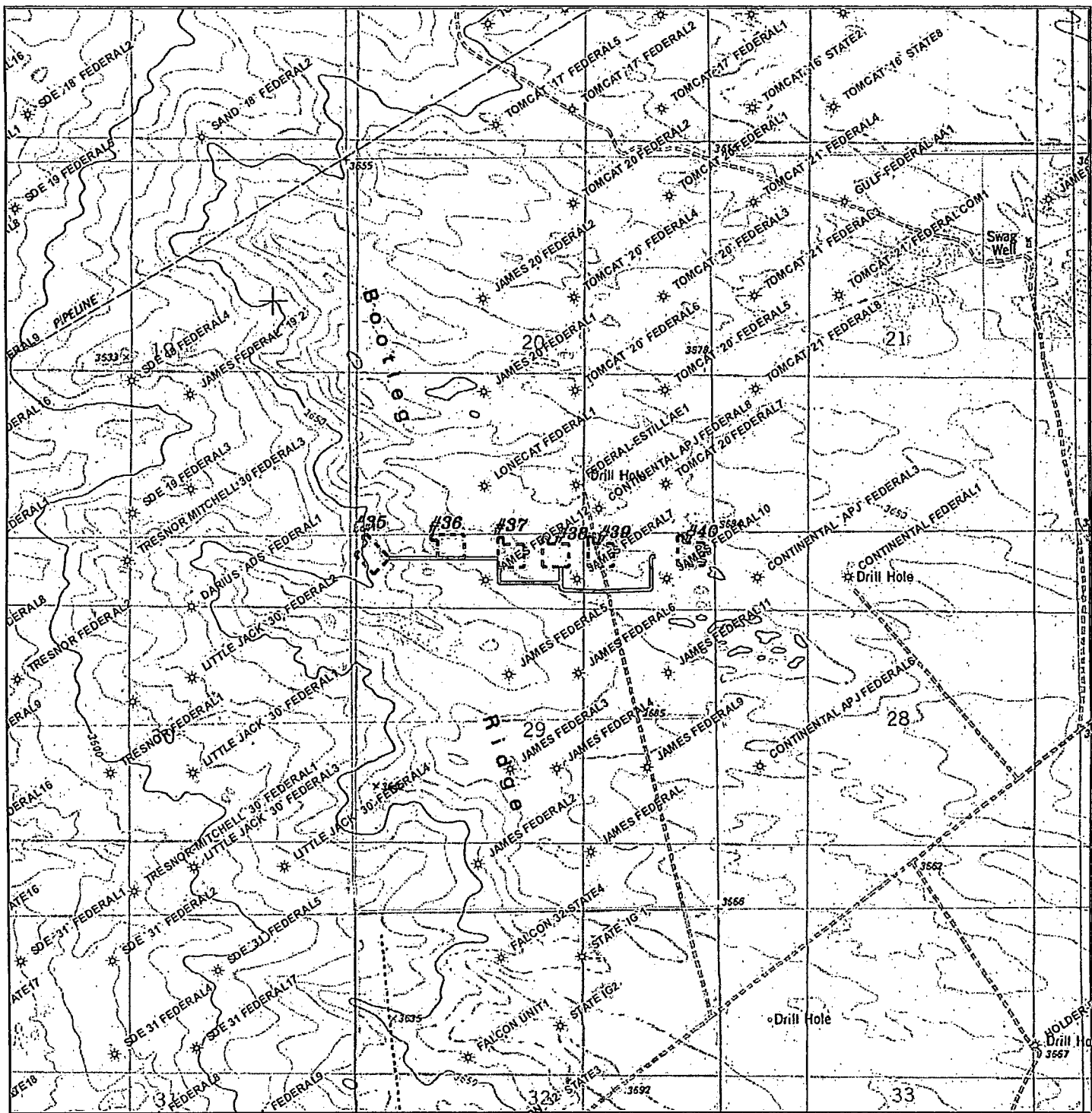
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1000 0 1000 2000 FEET

CIMAREX ENERGY CO.

REF: PROPOSED PIPELINE ROW FOR THE JAMES 29 FED WELLS

A PIPELINE CROSSING USA LAND IN
SECTION 29, TOWNSHIP 23 SOUTH, RANGE 32 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.



**JAMES 29 FEDERAL 35-40 PIPELINE ROW
SECTION 29, TOWNSHIP 23 SOUTH, RANGE 32 EAST,
N.M.P.M., Lea County, New Mexico.**

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0' 1000' 2000' 3000' 4000'
SCALE: 1" = 2000'

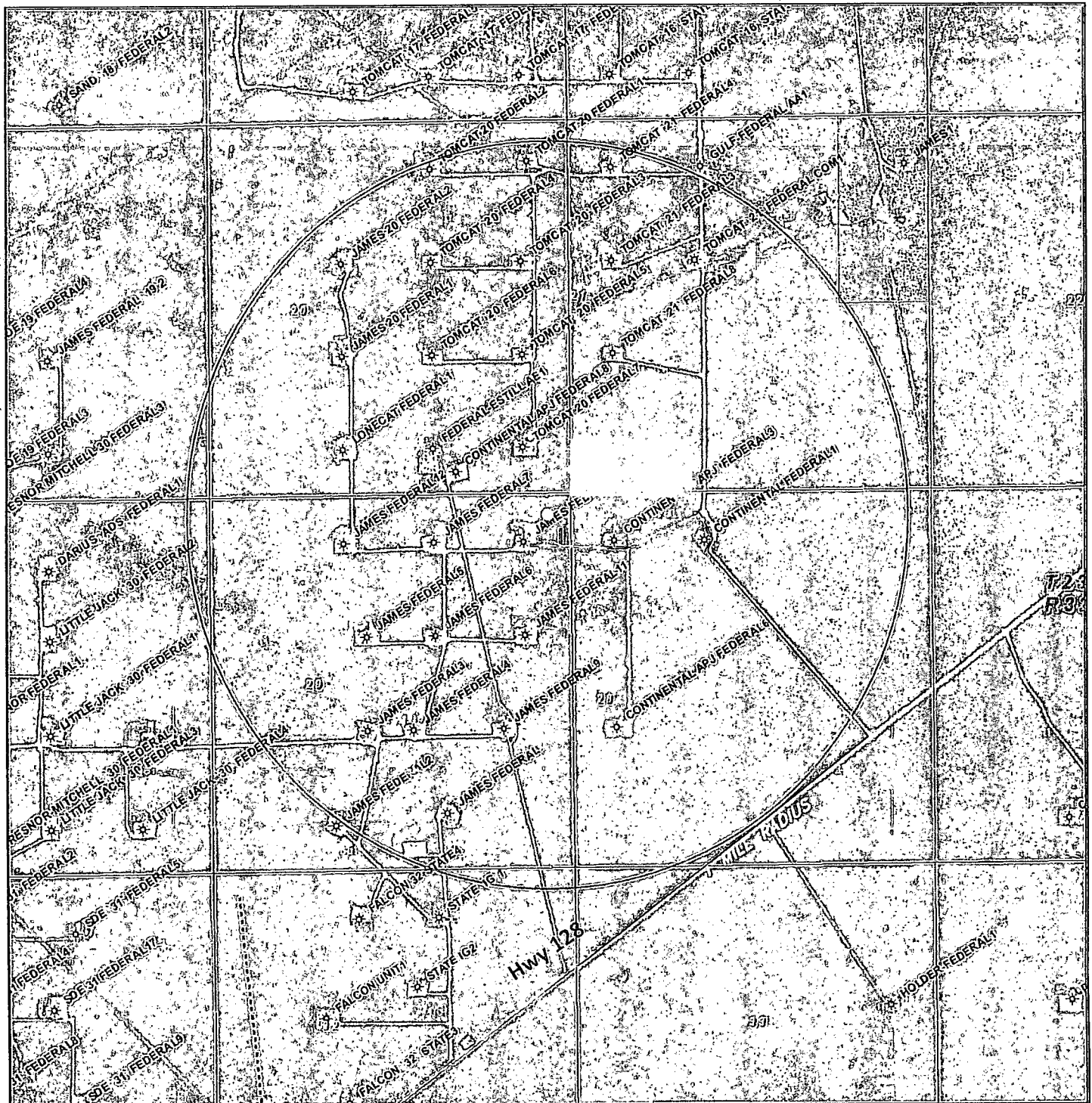
W.O. Number: KAN 29277 PL

Survey Date: 09-06-2013

YELLOW TINT - USA LAND
BLUE TINT - STATE LAND
NATURAL COLOR - FEE LAND

CIMAREX
ENERGY CO.

Public Access Route



JAMES 29 FEDERAL #35

Section 29, Township 23 South, Range 32 East,
N.M.P.M., Lea County, New Mexico.

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0' 1000' 2000' 3000' 4000'
SCALE: 1" = 2000'

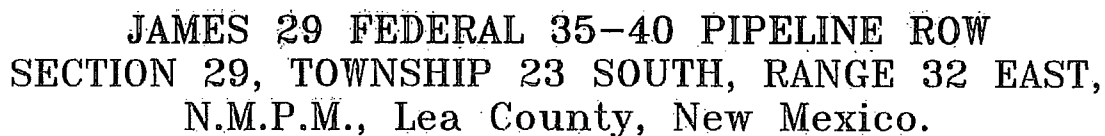
W.O. Number: KAN 29279

Survey Date: 09-04-2013

YELLOW TINT - USA LAND
BLUE TINT - STATE LAND
NATURAL COLOR - FEE LAND

CIMAREX
ENERGY CO.

Exhibit B



Application to Drill
James 29 Federal #35
 Cimarex Energy Co.
 UL: D, Sec. 29, 23S, 32E
 Lea Co., NM

In response to questions asked under Section II B of Bulletin NTL-6, the following information is provided for your consideration:

1. Location: SHL 330 FNL & 330 FWL
 BHL 330 FSL & 440 FWL

2. Elevation Above Sea Level: 3,652' GR

3. Geologic Name of Surface Formation: Quaternary Alluvium Deposits

4. Drilling Tools and Associated Equipment: Conventional rotary drilling rig using fluid as a circulating medium for solids removal

5. Proposed Drilling Depth: 13,819 MD 9,400 TVD Pilot Hole TD: N/A

6. Estimated Tops of Geological Markers:

Formation	Est Top	Bearing
Rustler	1200	N/A
Salt	2300	N/A
Castille	3300	N/A
Base last Salt	4550	N/A
Lamar	4760	N/A
Bell Canyon	4805	N/A
Cherry Canyon	5630	N/A
Brushy Canyon	6960	N/A
Basal Brushy Canyon	8100	N/A
Bone Spring	8600	Hydrocarbons
Avalon Shale	9100	Hydrocarbons

7. Possible Mineral Bearing Formation: Shown above

7A. OSE Ground Water Estimated Depth: 375'

8. Casing Program:

See COA

Name	Casing Depth From (ft)	Casing Setting Depth (ft) MD	Casing Setting Depth (ft) TVD	Open Hole Size (inches)	Casing Size (inches)	Casing Weight (lb/ft)	Casing Grade	Thread	Condition	BHP (psig)	Anticipated Mud Weight (ppg)	Collapse SF at Full Evacuation (1.125)	Collapse SF at 1/3 Evacuation (1.125)	Burst SF (1.125)	Cumulative Air Weight	Cumulative Bouyed Weight (lbs)	Bouyant Tension SF (1.8)
Surface	0	1250	1250	17 1/2	13-3/8"	48.00	H-40	ST&C	New	539	8.3	1.37		3.21	60,000	52,397	6.15
Intermediate	0	4775	4775	12 1/4	9-5/8"	36.00	J-55	LT&C	New	2483	10.0		1.24	1.42	171,900	145,656	3.11
Production	0	8923	8923	8 3/4	5-1/2"	17.00	L-80	LT&C	New	4175	9.0	1.51		1.85	159,800	137,843	2.45
Production	8923	13819	9400	8 3/4	5-1/2"	17.00	L-80	BT&C	New	4399	9.0	1.43		1.76	8,109	6,995	56.76

Note: Operator may drill a 8-1/2" OH from end of curve to TD of the well. This is to reduce the need to ream the conventionally drilled curve to run a RSS assembly into the lateral.